

LS ANSWER 41 OF 97 CA COPYRIGHT 2001 ACS
 AN 113:83892 CA
 TI Manufacture of **calcium silicate** articles useful as
 thermal **insulators** and building materials
 IN Kakimoto, Katsumi; Shibahara, Kazuo
 PA Osaka Packing Mfg. Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C04B028-18
 ICI C04B028-18, C04B022-08
 CC 58-4 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 01298051	A2	19891201	JP 1988-129609	19880526
	JP 2631304	B2	19970716		

AB In the manuf. of Ca silicate articles by prepg. an aq. slurry of Ca
 silicate crystals by the hydrothermal reaction of an aq. raw slurry
 contg.
 SiO₂ and **lime** under elevated pressure, shaping the Ca silicate
 slurry, and drying; the raw slurry contains M (M = Na and/or K) silicate.
 Preferably, the amt. of the silicate is controlled such that the M₂O/(Si
 and Ca source) wt. ratio is 0.3-3%. These articles are lightwt., have
 high strength and wear resistance, and do not corrode metals.
 ST **calcium silicate** building material; thermal
insulator calcium silicate; hydrothermal
 reaction **calcium silicate** manuf; sodium silicate